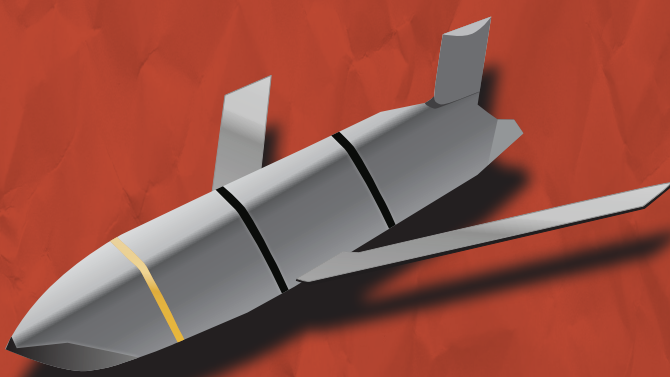




# PMA-201 PRECISION STRIKE WEAPONS



## LONG RANGE ANTI-SHIP MISSILE



precision-guided anti-ship  
standoff missile

system  
capabilities:

semi-autonomous extended range target discrimination

status & milestones

10/14	2/15	FY16
preliminary design review: complete	second in-flight demonstration: complete	system critical design review of all systems

## LDO

LRASM Deployment Office



**EOC** B-1 LANCER: 2018  
F/A-18 SUPER HORNET: 2019



## JOINT STANDOFF WEAPON C-1



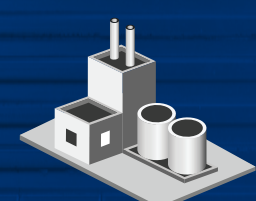
survivable, precision,  
network-enabled weapon

stand-off range:

# 70 NAUTICAL MILES

system capabilities:

precision targeting terminal IR seeker GPS/INS Link 16 weapon data link



stationary  
land targets

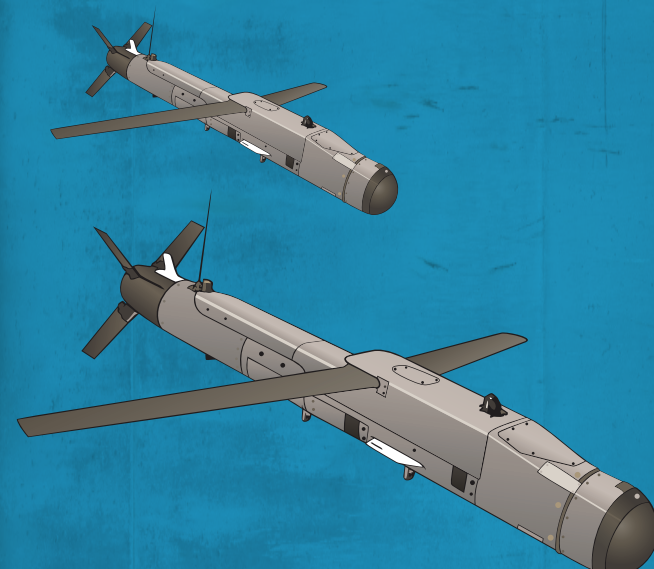
moving  
maritime  
targets



**INITIAL OPERATIONAL CAPABILITY 2016**



## SMALL DIAMETER BOMB II



GBU-53/B attack moving and  
stationary targets

stand-off range  
of over:

# 40 MILES TO STRIKE

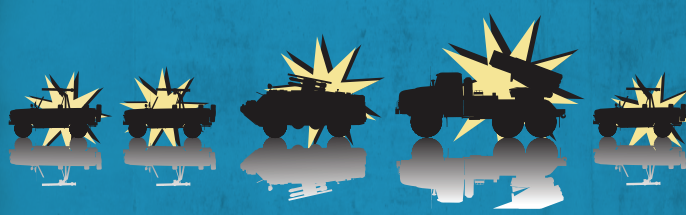
tri-mode seeker fuses:

millimeter-wave radar imaging infra-red digital semi-active laser

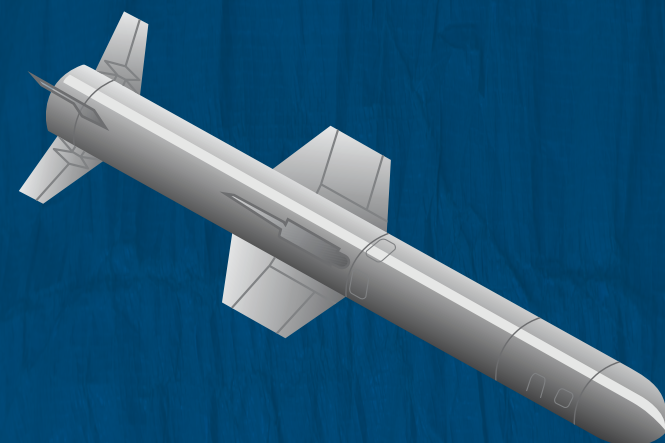
all-weather I through-the-weather



**IOC** F/A-18E/F SUPER HORNET: 2020  
F-35B/C LIGHTNING: 2022



## HARPOON



air, ship, and foreign  
submarine all-weather  
anti-ship cruise missile

employed from:

12 types of aircraft  
190 subs  
630 warships

7,500 delivered 29 international partners employ Harpoon Block II

**10 TACTICAL UPGRADES**  
since fleet introduction



## JOINT DIRECT ATTACK MUNITION LASER



low-cost guidance kit  
converts unguided free-fall  
bombs into "smart" weapons

evolution of Laser JDAM

MK-82/BLU-111 500-lb. GP bomb



GBU-38 w/KMU-572 tail-kit GPS/INS  
enables precision strike against fixed  
targets



GBU-38 w/DSU-33 sensor greater  
targeting flexibility



GBU-54 w/DSU-38 Laser JDAM engages  
moving/maneuvering targets



GBU-54 w/APS adjustable proximity  
sensor enables greater targeting flexibility



operational platforms:  
F-16 Fighting Falcon  
F-15E Strike Eagle  
F/A-18 Hornet  
A/V-8B

## CARTRIDGE ACTUATED PROPELLANT ACTUATED DEVICES

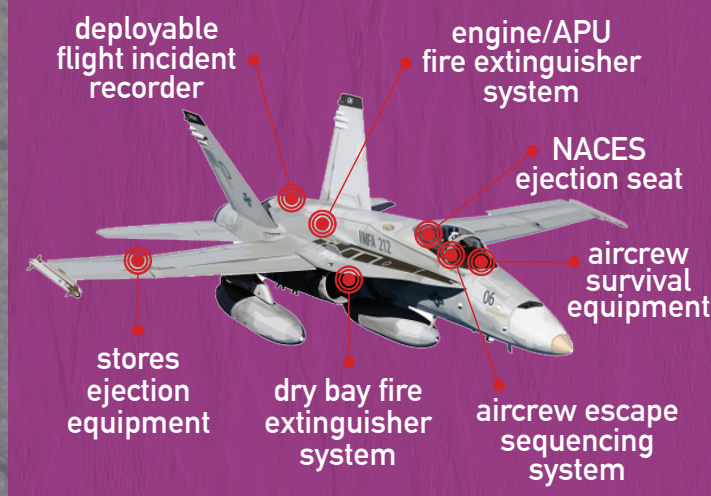


power egress/safety  
systems and supply energy  
to release weapons from  
aircraft

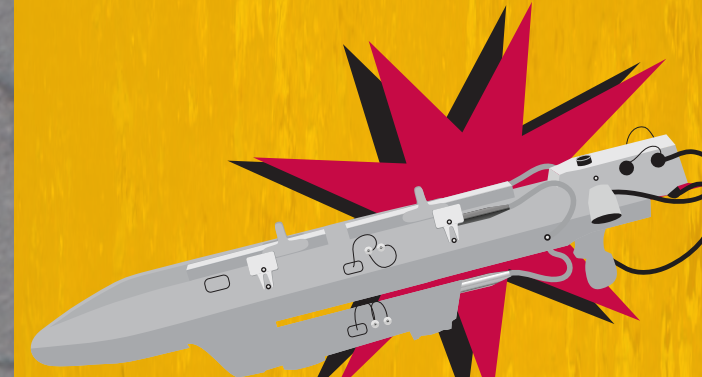
**CAD/PADS IN AIRCRAFT  
NAVY • MARINE CORPS  
AIR FORCE • ARMY**

distinct CAD/PAD items 2,876  
aircraft models/systems 284  
aircraft installs 578,000

**F/A-18 E SUPER HORNET  
CAD/PAD CONFIGURATION  
68+ CAD/PADS**



## AIRCRAFT ARMAMENT EQUIPMENT



weapons system delivery:  
suspend and launch  
self-propelled forward  
firing weapons

unique racks and launchers  
configuration for:

**F/A-18 A/D HORNET &  
F/A-18 E/F SUPER HORNET**

- BRU-32, BRU-33, BRU-55 bomb rack series
- LAU-115, LAU-116 LH & RH GM launcher series

**HELOS**

- BRU-59, BRU-65 bomb racks
- M272, M279, M299 launchers
- TALLEY ejector rack

**AV-8B HARRIER**

- BRU-36 bomb rack
- BRU-70 digital ITER (DITER)
- ADU-830

**P-3 ORION**

- BRU-12, BRU-15 bomb rack series
- AERO 1A & 1B adapter series

**45+ 34**  
configurations for 22 platforms unique end-items

